

## University of Groningen

### From an egg to a fledgling

Tjørve, Kathleen Marjorie Calf

**IMPORTANT NOTE:** You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

*Document Version*

Publisher's PDF, also known as Version of record

*Publication date:*

2006

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

Tjørve, K. M. C. (2006). *From an egg to a fledgling: A perspective on shorebird breeding ecology and chick energetics*. [Thesis fully internal (DIV), University of Groningen]. s.n.

**Copyright**

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

**Take-down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

## **FROM AN EGG TO A FLEDGLING**

A perspective on shorebird breeding ecology and chick energetics

van Kathleen Marjorie Calf Tjørve

1. “Variations in growth rates have been related to such factors as mortality rate (high in the tropics), food availability (high in the arctic; Lack 1968) and length of the breeding season (long in the tropics; Ricklefs 1984), which all favour increasing growth rates with latitude.”

*(Klaassen M & R Drent. 1991. An analysis of hatchling resting metabolism: in search of ecological correlates that explain deviations from allometric relations. Condor, 93: 612–629)*

2. “Chicks of small shorebird species face a constraint set by the low arctic temperatures, which challenge their energetic capacities and require them to work at high levels.”

*(Krijgsveld K, RE Ricklefs & GH Visser. submitted manuscript. Daily energy expenditure in precocial shorebird chicks: smaller species perform at a higher level)*

3. Precocial shorebird chicks in the Western Cape, South Africa, are more constrained by food availability than by time – enabling them to spend time sitting in the sun, resting. This behaviour is not common to shorebird chicks in temperate and arctic zones. *(This dissertation, Chapter 6)*

4. The growth of semi-precocial shorebird chicks is closer to that predicted than that of precocial shorebird chicks in the Western Cape, South Africa. *(This dissertation, Chapter 9)*

5. Breeding seasonality of African Black Oystercatchers on Robben Island, South Africa, is influenced by tidal effects in addition to the possible effects of food availability and predation pressure. *(This dissertation, Chapter 2)*

6. “A single free-roaming cat may kill as many as 100 or more birds and mammals per year. To make matters worse, many of the animals preyed upon by cats are listed as threatened or endangered species.”

*(Hatley PJ & T Ankersen. 2003. Feral cat colonies in Florida: the fur and the feathers are flying. University of Florida Conservation Clinic, Florida)*

7. South Africa has a diverse natural heritage which should be conserved.

8. Some shorebird species in South Africa breed in suburban areas. Improved awareness and conservation measures may improve the fledging success of these species.

9. Shorebirds are a fascinating group of birds to study because they exhibit an enormous amount of diversity in their life histories.

10. “The birdwatcher’s life is an endless succession of surprises.” *(Hudson WH. 1901. Birds and Man. Longmans, Green, London)*